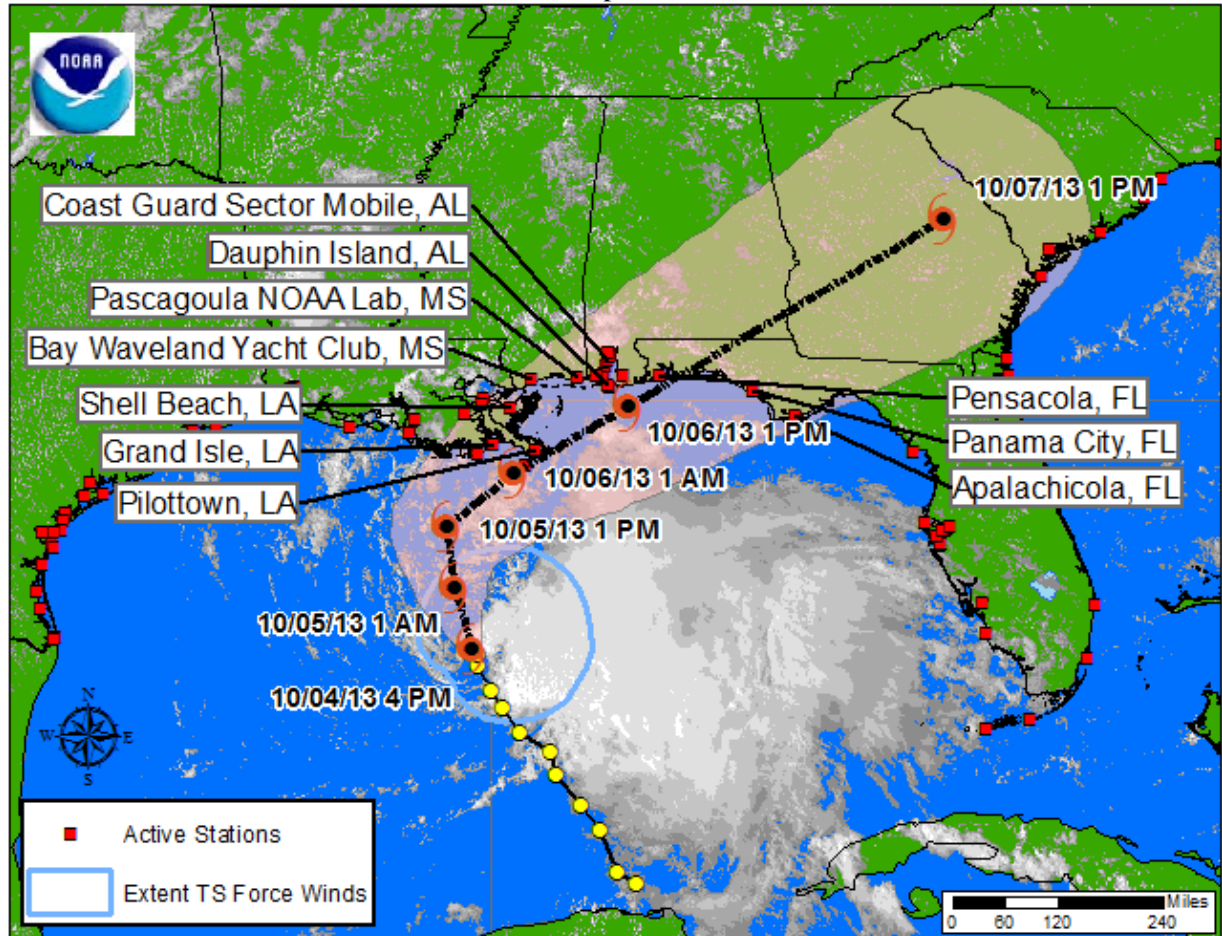




Tropical Storm KAREN QuickLook  
Posted: 17:00 CDT 10/04/2013

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/04/2013 17:00 CDT, water levels across the northern Gulf of Mexico from southeast Louisiana to the Florida panhandle are elevated and range between 0.5 and 1.5 feet above predicted tide levels. Winds are measuring between 5 and 15 knots along the northern Gulf coast. Barometric pressure is steady across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur. Water level predictions relative to Mean Lower Low Water (MLLW) are:

Pilottown, LA: Next predicted high tides are 0.7 ft (0.22 m) at 10/04/2013 22:56 CDT and 0.9 ft (0.26 m) at 10/05/2013 23:00 CDT.

Grand Isle, LA: Next predicted high tides are 1.2 ft (0.36 m) at 10/04/2013 22:17 CDT and 1.3 ft (0.40 m) at

Tropical Storm KAREN QuickLook, POSTED 17:00 CDT 10/04/2013

10/05/2013 22:38 CDT.

Shell Beach, LA: Next predicted high tides are 0.9 ft (0.27 m) at 10/04/2013 17:42 CDT and 1.1 ft (0.33 m) at 10/05/2013 03:54 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tides are 1.6 ft (0.50 m) at 10/05/2013 00:34 CDT and 1.8 ft (0.57 m) at 10/06/2013 00:42 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.1 ft (0.35 m) at 10/04/2013 21:46 CDT and 1.3 ft (0.41 m) at 10/05/2013 22:11 CDT.

Coast Guard Sector Mobile, AL: Next predicted high tides are 1.1 ft (0.34 m) at 10/04/2013 23:36 CDT and 1.3 ft (0.40 m) at 10/06/2013 00:04 CDT.

Dauphin Island, AL: Next predicted high tides are 1.3 ft (0.39 m) at 10/04/2013 22:36 CDT and 1.5 ft (0.45 m) at 10/05/2013 22:59 CDT.

Pensacola, FL: Next predicted high tides are 1.4 ft (0.42 m) at 10/04/2013 23:12 CDT and 1.5 ft (0.47 m) at 10/05/2013 23:31 CDT.

Panama City, FL: Next predicted high tides are 1.4 ft (0.42 m) at 10/04/2013 22:11 CDT and 1.5 ft (0.47 m) at 10/05/2013 22:33 CDT.

Apalachicola, FL: Next predicted high tides are 1.8 ft (0.54 m) at 10/05/2013 03:57 EDT and 1.7 ft (0.53 m) at 10/05/2013 17:34 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:JAK

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM KAREN ADVISORY NUMBER 6  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
500 PM CDT FRI OCT 04 2013

...KAREN A LITTLE WEAKER...  
...EXPECTED TO BE NEAR THE CENTRAL GULF COAST ON SATURDAY...

WATCHES AND WARNINGS

-----  
THE TROPICAL STORM WARNING HAS BEEN EXTENDED WESTWARD FROM GRAND ISLE LOUISIANA TO MORGAN CITY.

A HURRICANE WATCH IS IN EFFECT FOR...  
\* GRAND ISLE LOUISIANA TO WEST OF DESTIN FLORIDA

A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* MORGAN CITY LOUISIANA TO THE MOUTH OF THE PEARL RIVER

A TROPICAL STORM WATCH IS IN EFFECT FOR...

\* METROPOLITAN NEW ORLEANS

\* LAKE MAUREPAS

\* LAKE PONTCHARTRAIN

\* DESTIN TO INDIAN PASS FLORIDA

THE HURRICANE WATCH COULD BE CHANGED TO A TROPICAL STORM WATCH OR WARNING LATER TODAY.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA. A WATCH IS TYPICALLY ISSUED 48 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL-STORM-FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

INTERESTS ELSEWHERE ALONG THE NORTHEASTERN COAST OF THE GULF OF MEXICO SHOULD MONITOR THE PROGRESS OF KAREN.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

#### DISCUSSION AND 48-HOUR OUTLOOK

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AT 1000 AM CDT THE CENTER OF TROPICAL STORM KAREN WAS LOCATED ABOUT 250 MI SSW OF THE MOUTH OF THE MISSISSIPPI RIVER. KAREN IS MOVING TOWARD THE NORTH-NORTHWEST NEAR 10 MPH. A TURN TOWARD THE NORTH AND A DECREASE IN FORWARD SPEED ARE EXPECTED BY EARLY SATURDAY. A TURN TOWARD THE NORTHEAST IS EXPECTED ON SUNDAY...WITH AN INCREASE IN FORWARD SPEED. ON THE FORECAST TRACK...THE CENTER OF KAREN IS EXPECTED TO BE NEAR THE COAST WITHIN THE TROPICAL STORM WARNING AREA SATURDAY NIGHT.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 50 MPH WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS EXPECTED DURING THE NEXT DAY OR SO...WITH SOME STRENGTHENING POSSIBLE SATURDAY NIGHT AND SUNDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES MAINLY TO THE NORTH AND EAST OF THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 1003 MB.

## HAZARDS AFFECTING LAND

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WIND...TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN PORTIONS OF THE TROPICAL STORM WARNING AREA ON SATURDAY. HURRICANE CONDITIONS ARE POSSIBLE IN PORTIONS OF THE HURRICANE WATCH AREA BY SUNDAY MORNING.

STORM SURGE...THE COMBINATION OF STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING HEIGHTS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

WEST OF THE MISSISSIPPI RIVER TO TERREBONNE BAY...1 TO 3 FT  
MOUTH OF THE MISSISSIPPI RIVER TO MOBILE BAY...3 TO 5 FT  
EAST OF MOBILE BAY TO WEST OF APALACHEE BAY...1 TO 3 FT  
APALACHEE BAY INCLUDING CEDAR KEY...2 TO 4 FT  
SOUTH OF APALACHEE BAY TO TAMPA BAY...1 TO 2 FT

THE HIGHEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST NEAR AND TO THE EAST OF WHERE LANDFALL OCCURS...WHERE THE SURGE WILL BE ACCOMPANIED BY DANGEROUS WAVES. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

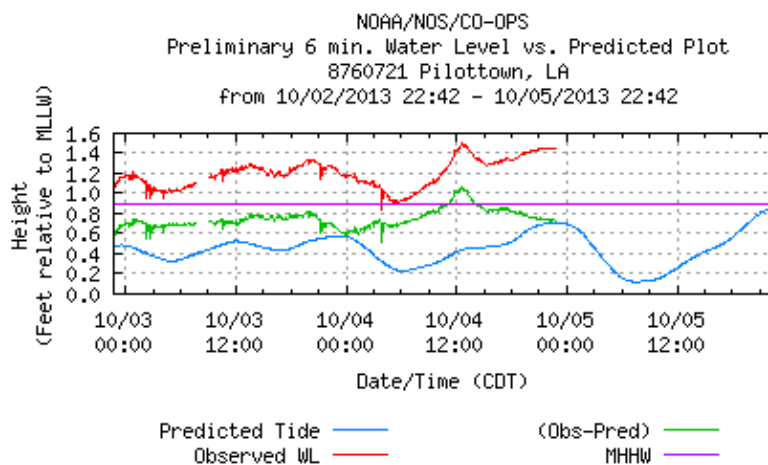
RAINFALL...KAREN IS EXPECTED TO PRODUCE RAINFALL AMOUNTS OF 3 TO 6 INCHES OVER PORTIONS OF THE CENTRAL AND EASTERN GULF COAST THROUGH SUNDAY NIGHT...MAINLY NEAR AND TO THE RIGHT OF THE PATH OF THE CENTER. ISOLATED STORM TOTAL AMOUNTS OF 10 INCHES ARE POSSIBLE.

FORECASTER BRENNAN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

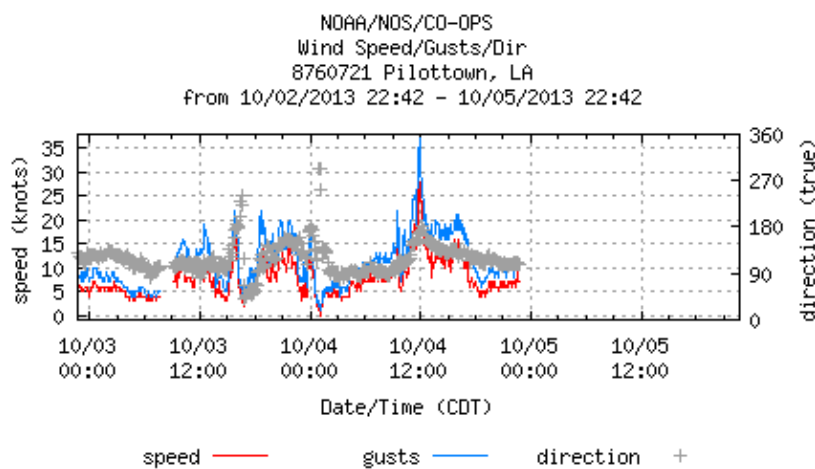
Jump to: [Pilottown - Water Level](#), [Pilottown - Winds](#), [Pilottown - Barometric](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dock C, Port of Pascagoula - Barometric](#), [Coast Guard Sector Mobile - Water Level](#), [Coast Guard Sector Mobile - Winds](#), [Coast Guard Sector Mobile - Barometric](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Dauphin Island - Barometric](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Pensacola - Barometric](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#), [Panama City - Barometric](#)

Pilottown, LA - Return to List



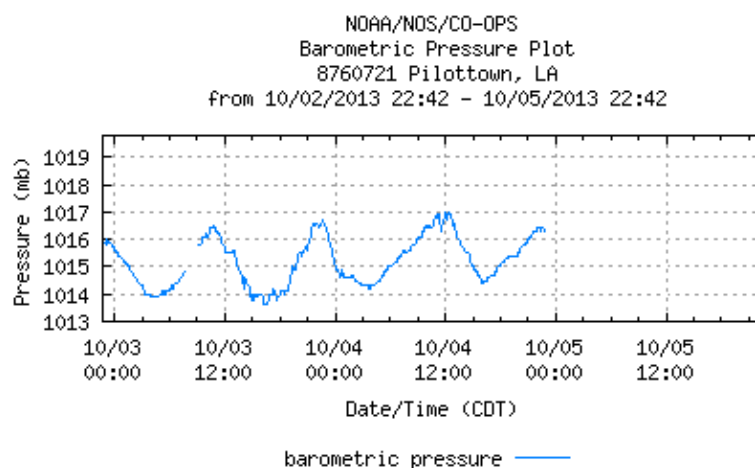
Last Observed Sample: 10/04/2013 22:42 (CDT)  
Relative to MLLW: **Observed: 1.44 ft.** **Predicted: 0.71 ft.** **Residual: 0.73 ft.**  
Historical Maximum Water Level: n/a

Pilottown, LA - Return to List



Last Observed Sample: 10/04/2013 22:42 (CDT)  
**Wind Speed: 7 knots** **Gusts: 11 knots** Direction: 107° T

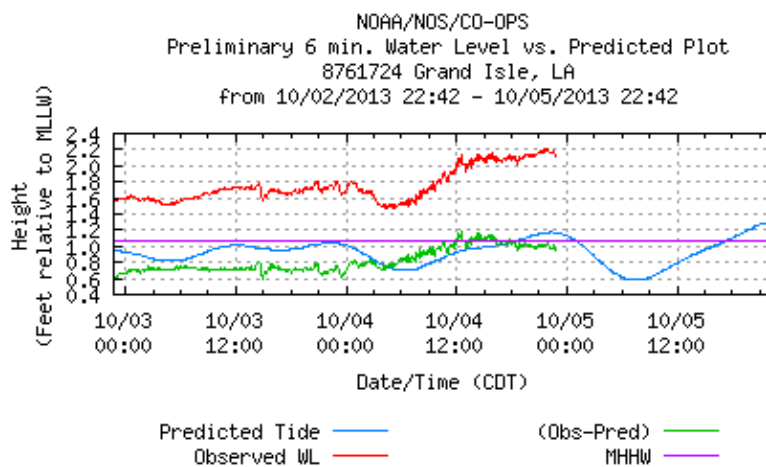
Pilottown, LA - Return to List



Last Observed Sample: 10/04/2013 22:42 (CDT)

Barometric Pressure: 1016.3 mb

Grand Isle, LA - Return to List

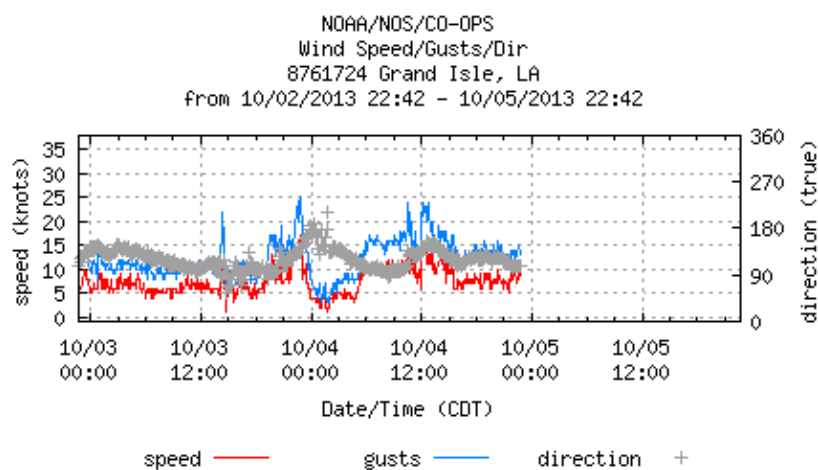


Last Observed Sample: 10/04/2013 22:42 (CDT)

Relative to MLLW: Observed: 2.12 ft. Predicted: 1.17 ft. Residual: 0.95 ft.

Historical Maximum Water Level: Aug 29 2005, 5.59 ft. above MLLW

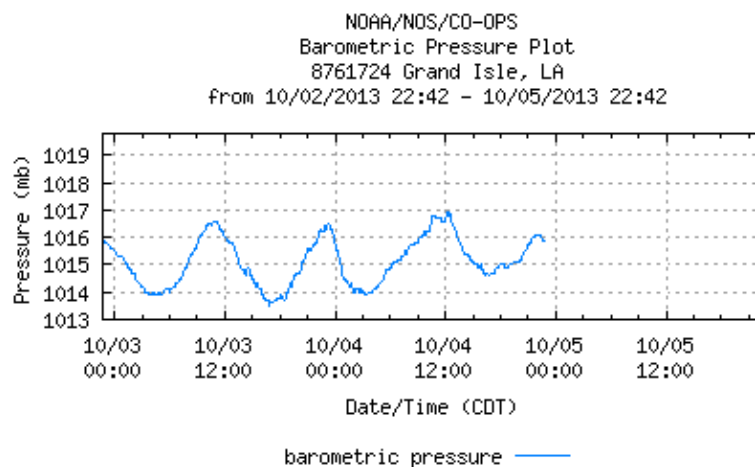
Grand Isle, LA - Return to List



Last Observed Sample: 10/04/2013 22:42 (CDT)

Wind Speed: 9 knots Gusts: 13 knots Direction: 109° T

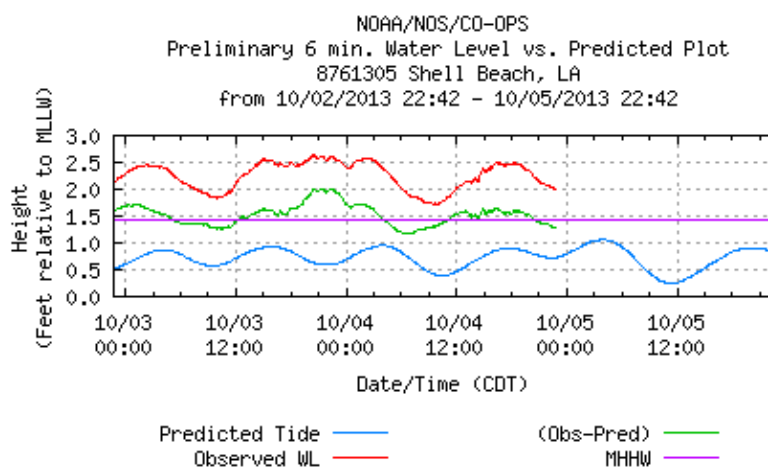
Grand Isle, LA - Return to List



Last Observed Sample: 10/04/2013 22:42 (CDT)

Barometric Pressure: 1015.9 mb

Shell Beach, LA - Return to List

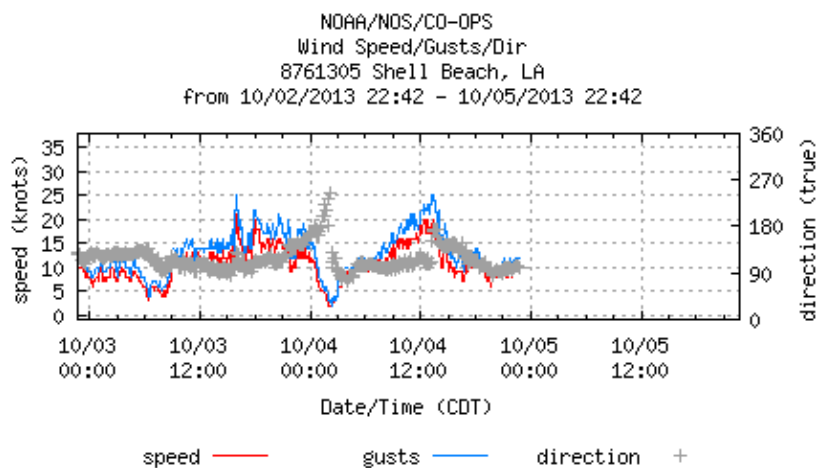


Last Observed Sample: 10/04/2013 22:42 (CDT)

Relative to MLLW: **Observed: 2.00 ft.** **Predicted: 0.73 ft.** **Residual: 1.27 ft.**

Historical Maximum Water Level: Aug 29 2012, 10.88 ft. above MLLW

Shell Beach, LA - Return to List

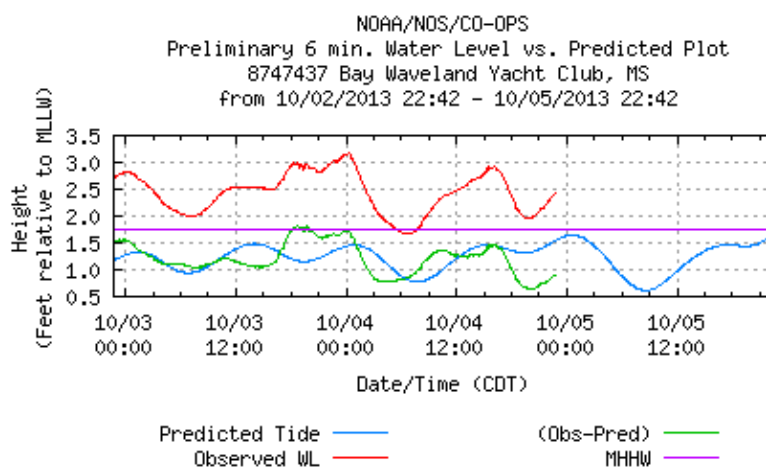


Last Observed Sample: 10/04/2013 22:42 (CDT)

**Wind Speed: 9 knots** **Gusts: 12 knots** **Direction: 100° T**



Bay Waveland Yacht Club, MS - Return to List

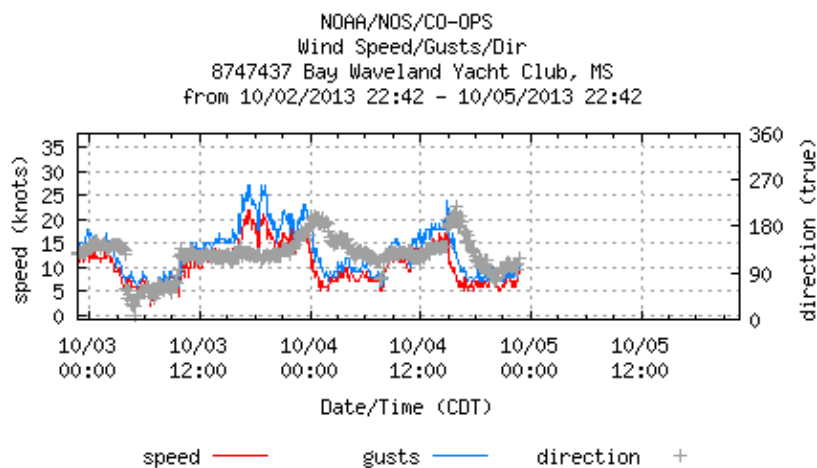


Last Observed Sample: 10/04/2013 22:42 (CDT)

Relative to MLLW: **Observed: 2.43 ft.** **Predicted: 1.54 ft.** **Residual: 0.89 ft.**

Historical Maximum Water Level: Sep 1 2008, 10.89 ft. above MLLW

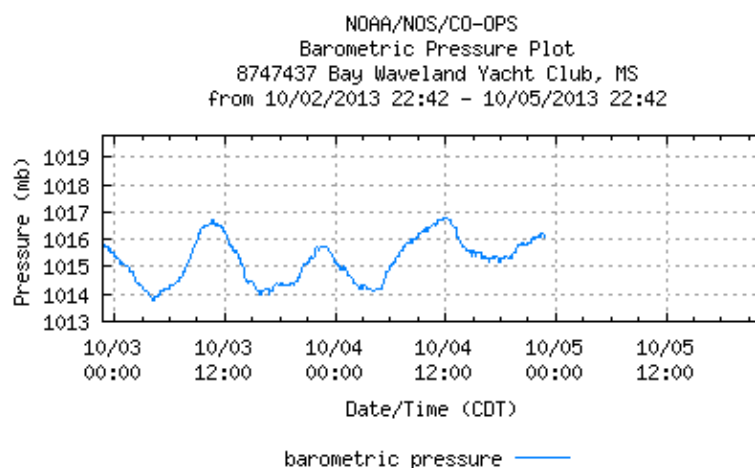
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 10/04/2013 22:42 (CDT)

**Wind Speed: 10 knots** **Gusts: 11 knots** **Direction: 117° T**

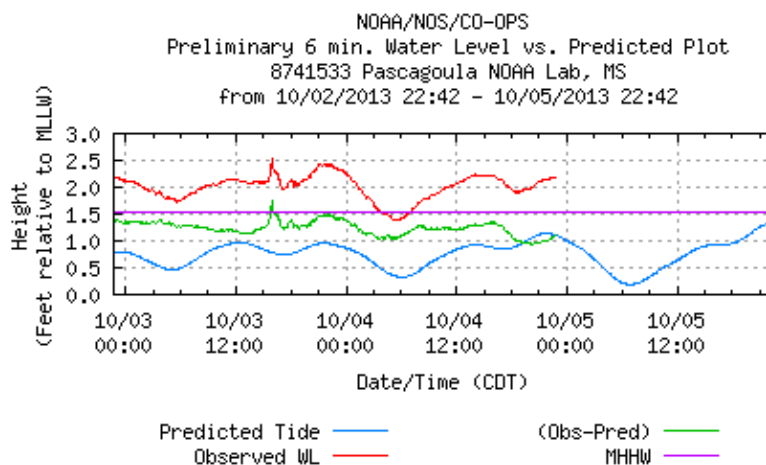
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 10/04/2013 22:42 (CDT)

Barometric Pressure: 1016.1 mb

Pascagoula NOAA Lab, MS - Return to List

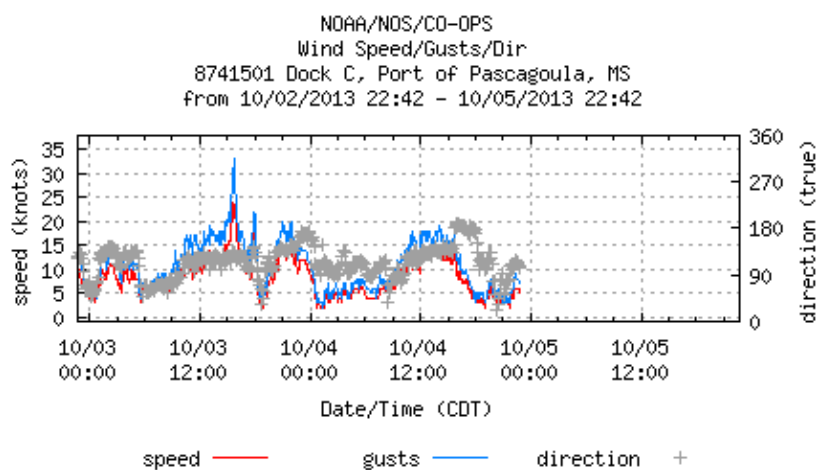


Last Observed Sample: 10/04/2013 22:48 (CDT)

Relative to MLLW: Observed: 2.19 ft. Predicted: 1.10 ft. Residual: 1.09 ft.

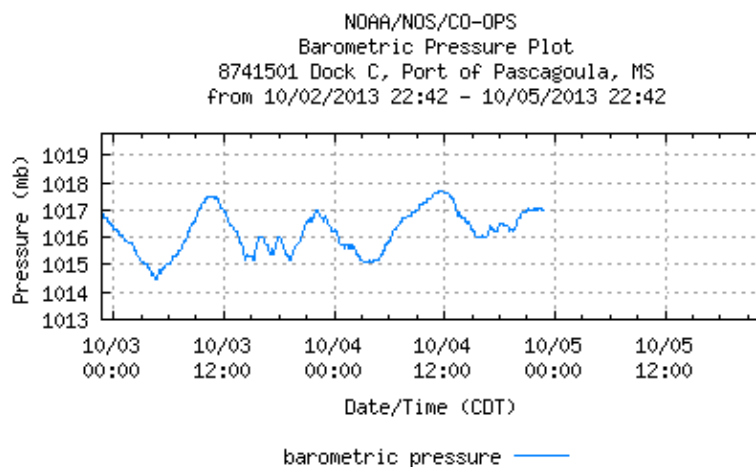
Historical Maximum Water Level: Sep 1 2008, 6.43 ft. above MLLW

[Dock C, Port of Pascagoula, MS - Return to List](#)



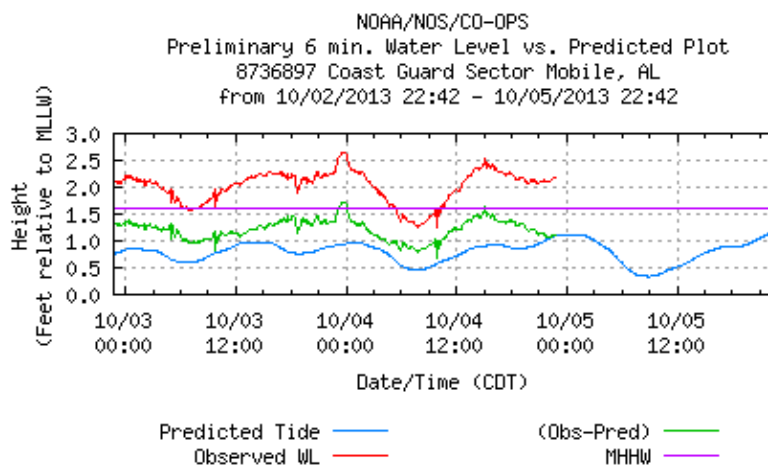
Last Observed Sample: 10/04/2013 22:48 (CDT)  
Wind Speed: 6 knots Gusts: 7 knots Direction: 108° T

[Dock C, Port of Pascagoula, MS - Return to List](#)



Last Observed Sample: 10/04/2013 22:48 (CDT)  
Barometric Pressure: 1017.0 mb

Coast Guard Sector Mobile, AL - Return to List

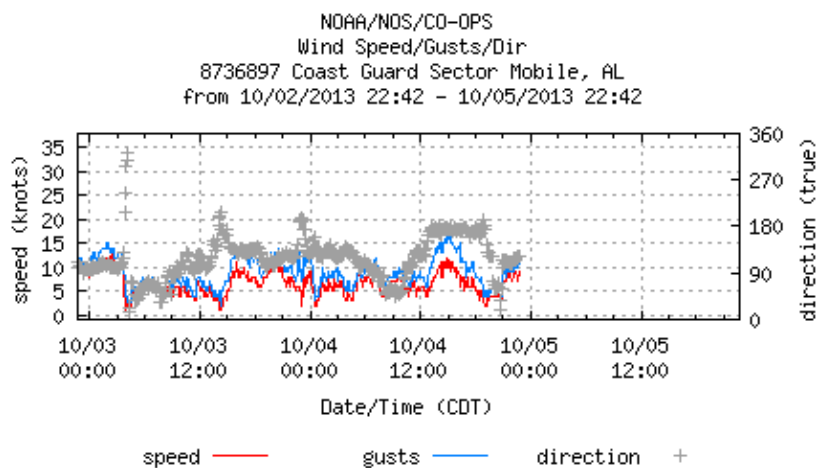


Last Observed Sample: 10/04/2013 22:42 (CDT)

Relative to MLLW: **Observed: 2.18 ft.** **Predicted: 1.09 ft.** **Residual: 1.09 ft.**

Historical Maximum Water Level: Sep 1 2008, 5.41 ft. above MLLW

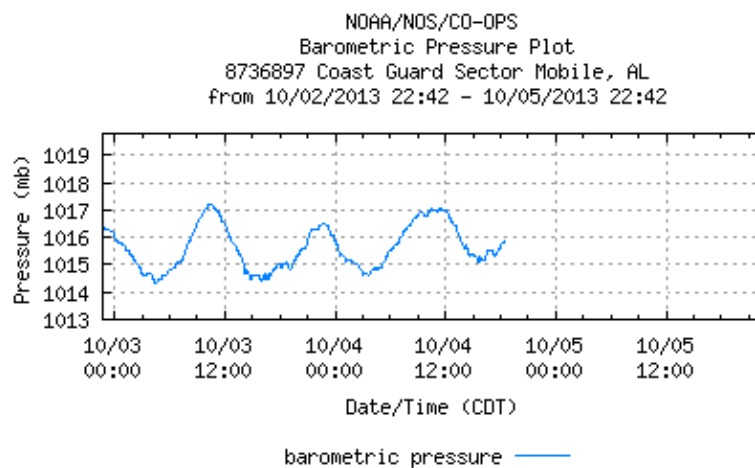
Coast Guard Sector Mobile, AL - Return to List



Last Observed Sample: 10/04/2013 22:42 (CDT)

**Wind Speed: 9 knots** **Gusts: 11 knots** **Direction: 124° T**

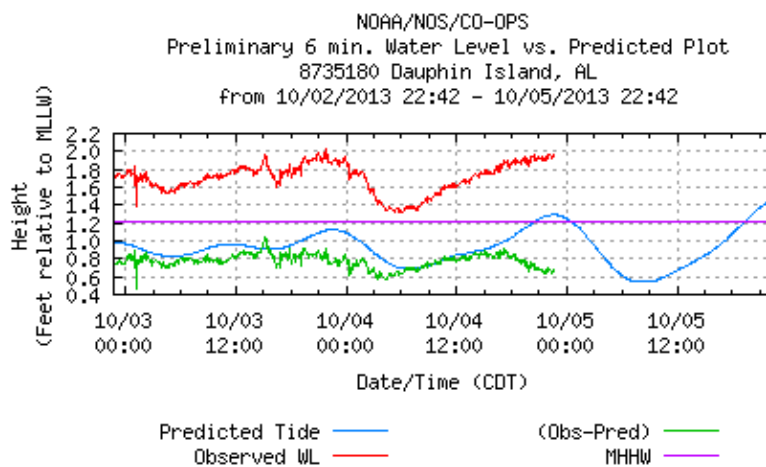
Coast Guard Sector Mobile, AL - Return to List



Last Observed Sample: 10/04/2013 22:42 (CDT)

Barometric Pressure: 1015.8 mb

Dauphin Island, AL - Return to List

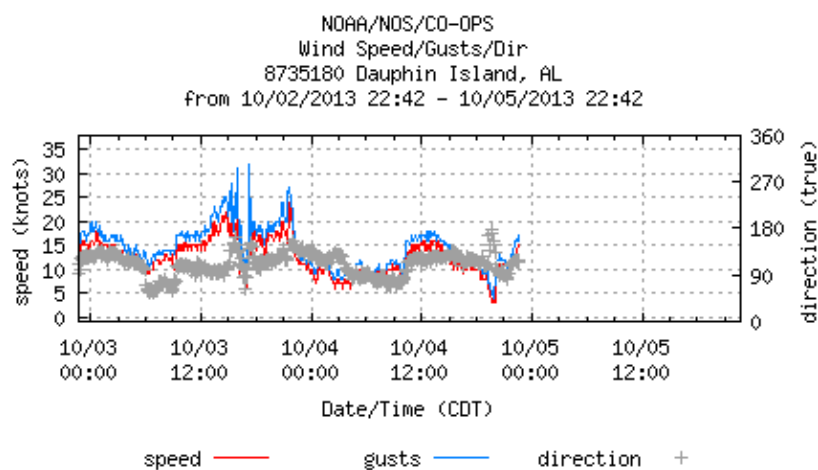


Last Observed Sample: 10/04/2013 22:36 (CDT)

Relative to MLLW: **Observed:** 1.96 ft. **Predicted:** 1.29 ft. **Residual:** 0.67 ft.

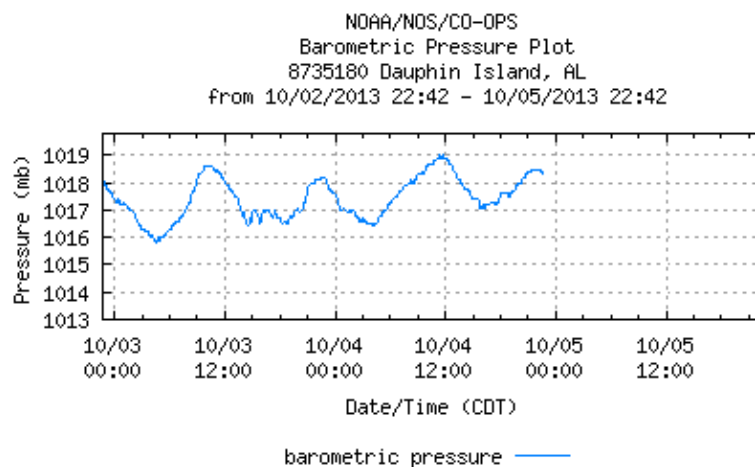
Historical Maximum Water Level: Sep 16 2004, 7.14 ft. above MLLW

Dauphin Island, AL - Return to List



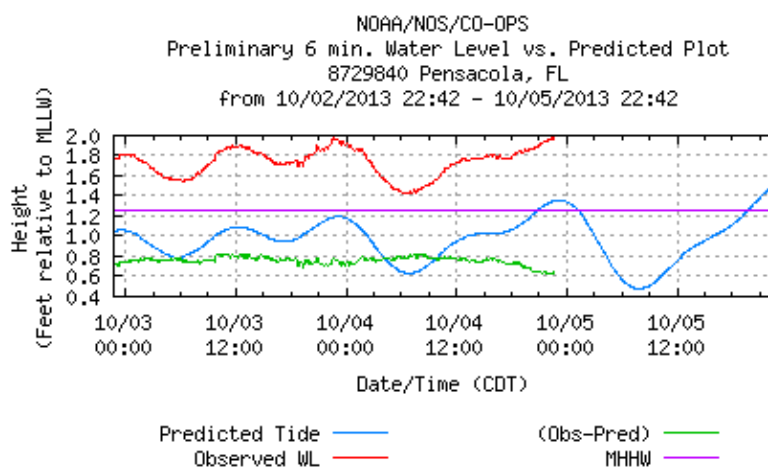
Last Observed Sample: 10/04/2013 22:36 (CDT)  
Wind Speed: 15 knots Gusts: 16 knots Direction: 117° T

Dauphin Island, AL - Return to List



Last Observed Sample: 10/04/2013 22:36 (CDT)  
Barometric Pressure: 1018.3 mb

Pensacola, FL - Return to List

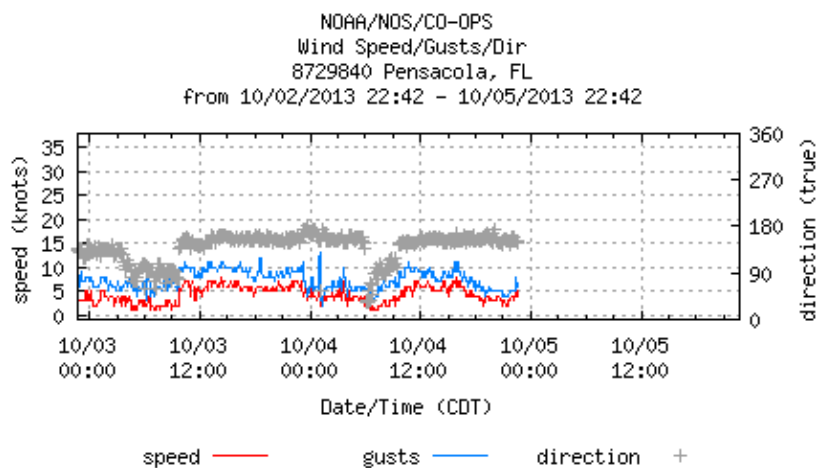


Last Observed Sample: 10/04/2013 22:36 (CDT)

Relative to MLLW: **Observed: 1.99 ft.** **Predicted: 1.35 ft.** **Residual: 0.64 ft.**

Historical Maximum Water Level: Sep 18 1926, 8.67 ft. above MLLW

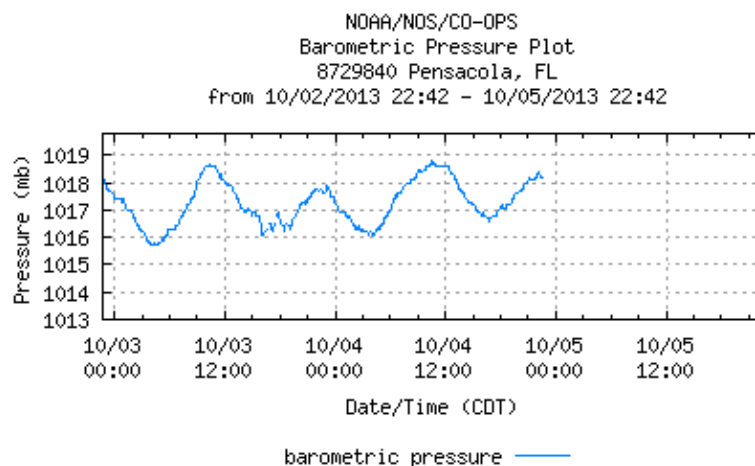
Pensacola, FL - Return to List



Last Observed Sample: 10/04/2013 22:36 (CDT)

**Wind Speed: 5 knots** **Gusts: 6 knots** **Direction: 153° T**

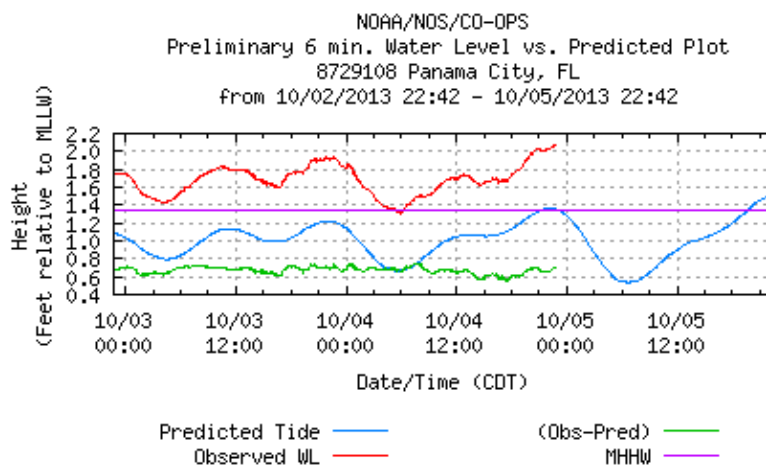
Pensacola, FL - Return to List



Last Observed Sample: 10/04/2013 22:36 (CDT)

Barometric Pressure: 1018.2 mb

Panama City, FL - Return to List



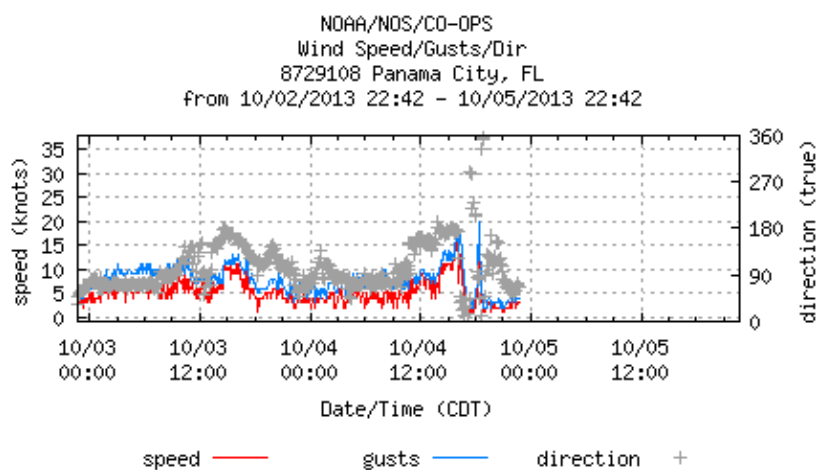
Last Observed Sample: 10/04/2013 22:42 (CDT)

Relative to MLLW: **Observed: 2.07 ft.** **Predicted: 1.36 ft.** **Residual: 0.71 ft.**

Historical Maximum Water Level: Oct 4 1995, 7.06 ft. above MLLW



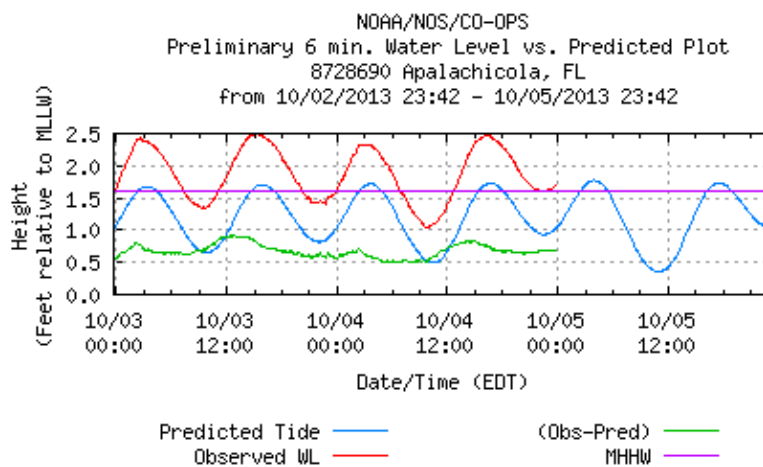
Panama City, FL - Return to List



Last Observed Sample: 10/04/2013 22:42 (CDT)

Wind Speed: 3 knots Gusts: 4 knots Direction: 68° T

Apalachicola, FL - Return to List

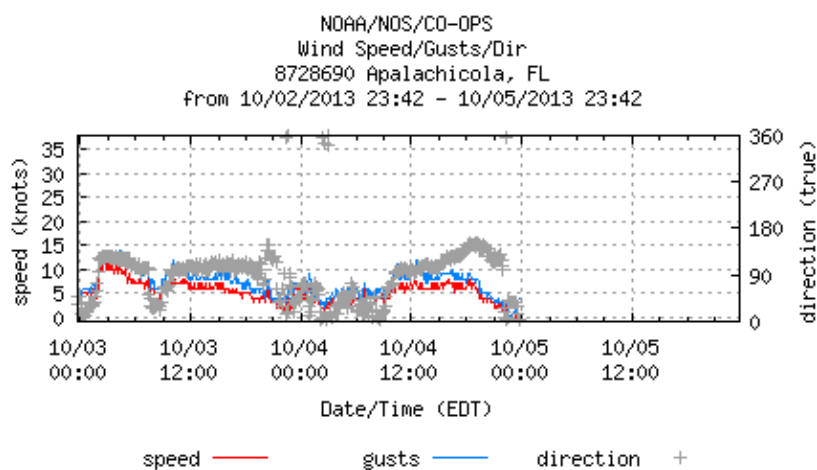


Last Observed Sample: 10/04/2013 23:42 (EDT)

Relative to MLLW: Observed: 1.69 ft. Predicted: 1.01 ft. Residual: 0.68 ft.

Historical Maximum Water Level: Jul 10 2005, 8.04 ft. above MLLW

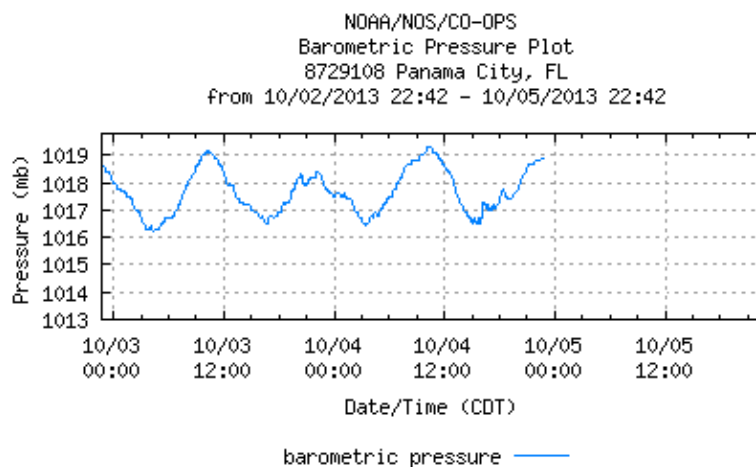
[Apalachicola, FL - Return to List](#)



Last Observed Sample: 10/04/2013 23:42 (EDT)

Wind Speed: 4 knots Gusts: 4 knots Direction: 4° T

[Panama City, FL - Return to List](#)



Last Observed Sample: 10/04/2013 22:42 (CDT)

Barometric Pressure: 1018.9 mb